

Replacement Sheet

FIG. 6A

SEQUENCE LISTING NO. 1

ggatcctcggt	ccgtctcgac	caccaggtag	cggttcagcg	cccgttagaa	acggccgccc	60
tcctcggact	gcacggcgtc	gtagaggatc	tgtccggcc	ggccgcgag	cacctggtcc	120
aggAACCTgg	gcccgtgttc	gggggggaga	tgagcgttgt	cgtcggggac	gcactggacg	180
gtcggggcca	gctcgatgag	gtcgacgtag	cccggttccg	gttggcgcg	cgcaggacg	240
tggaggacgc	cgtcgatccg	cttggccagg	aacgccacca	ccccgggtcc	gcccggctg	300
agcagcggct	gggtccaccc	cttgacttcg	cggttgcggg	cctccacaga	cacggcgacg	360
atcgcgaagt	gcccgtccact	ggtgtggcgt	atctcgtcg	tgtcgcggac	ccagccgtcc	420
acggaggtca	gccccgacgag	ctgcgcggcg	acctcgctgc	gcgcctgttag	cccggtgaac	480
cagcgcagca	gctcgccggag	ggtgtgcgcg	gcgggggcct	gcgcggacag	ggaggcggtc	540
agggcggcca	cggccgcccc	gcgggaaccg	tcggtcgtga	ctccctcgag	ggaaccgtcc	600
ggcggggcga	cggggaggca	ggccagggacc	gtccgaggtt	ccatgttgcac	caggtccggg	660
acgcccggca	gccccgggac	ctgaccggagg	gtcagccagc	gttagtcctc	gtgctcgggc	720
acgtcgccga	cggcgtcgac	gacgagattg	cggttgcgtt	tgcgaagaa	ccaggaaccg	780
tgctcggact	ggagcacgtc	gaccagcggc	cgcccttgc	cgggtccgt	gaagtactcc	840
aggtaaccgca	cggcgctgcc	ctcggtcactg	cccgtgttagt	tgtcgcgggt	ggcctgcacc	900
gtggggcgaca	actggagtcc	ctcggtcggt	ccgggctcgg	ccttcgcctg	catcaggcag	960
tgcaggacac	cgtcgaaactc	cttgaccagg	atgcccggaga	aaccacttc	cggctggtgc	1020
atgatcggct	gggaccagga	gacgggtcc	ggcccttcgg	agcgagcccg	cagcccttcg	1080
acggtaaga	agcgccgct	gtcggtcgcc	agattcccg	tgaccgggtg	gaagccccag	1140
cgtggagct	cggcgaaggg	gatgcgcctc	acgtccatcc	ggatggcctt	gcggcgcctc	1200
tcgaaccagt	cgtggacacc	acccaggggac	agcagtccgc	tgtcggccgc	cgccgattcg	1260
gcatatcgcc	tcaaatccgg	cgcgtcgagg	ccgtccgggg	ggaccgtctgg	atgctttctg	1320
ctcatgatcg	cttgagtcat	ggatgtctct	cccatcgca	gatcggcag	cgcgtcgaaa	1380
ccaccgtcgg	caccaggct	ggagtcgcgc	tcgaggccc	gtcgtccgg	accggcggaa	1440
cggcggttcc	gtcaggggctc	gagccgcctt	cgatcagggc	ggccgaacgt	gtcgtccgt	1500
gagttccgaa	gccttggccg	aagtggctt	tcaatgtgt	agatcgtgt	cggcaacctg	1560
ctgtacccgc	aggacgacac	ccccgacgag	gtgggtctct	cctcgatcag	agcggccctt	1620
gacgcccgggg	tgacgacctt	cgacaccgcg	gacgtctacg	gatgttcgg	ctccgagagc	1680
ctgctggggcc	gggacttggc	cggcacggcc	cgcgaagagc	tgtgtctgt	caccaagggt	1740
gggatgccga	ccgggttcgg	gccccacgga	cgggggctgt	cgaggaaaca	cgtcatggag	1800
tccgtcgacg	gctcgctgcg	ccgtctgcgc	gtcgaccaca	tgcacgtcta	caccgcgcac	1860
cgcctacgacc	cggcgactcc	gctggaggag	ctgatgttgg	ccttctccga	cctggtacgg	1920
gccgggaaga	tcctctacgt	cggcatgtcg	gaatggcccg	tggagcggat	cgccgaggcg	1980
gccgggatag	gtgcgcggct	cggtgtccg	gtgatctgtc	acatgccccg	ctactcgatg	2040
ctgtggcggt	cgcggaggac	cgaggtgatc	cccgcttgc	gtgacctggg	catcgccag	2100
atcgggagct	cgaattcgaa	gcttctgcag	ctcacggtaa	ctgatgccgt	atttgcagta	2160
ccagcgta	gcccacagaa	tgtatgtcag	ctgaaaatgc	cggccttta	atgggttcat	2220
gtgcagctcc	atcagaaaa	ggggatgata	agtttatcac	caccgactat	ttgcaacagt	2280
gccgttgcac	gtgttatgt	cgactgtat	catcagcggt	ggagtgcata	gtcgtcaat	2340
acgaatggcg	aaaagccgag	ctcatcggtc	agcttctcaa	ccttgggtt	accccccggcg	2400
gtgtgctgt	ggtccacagc	tccttccgt	gctccggcc	cctcgaagat	ggccacttg	2460
gactgatcga	ggccctcggt	gctgcgtgg	gtccgggagg	gacgctcg	atgcctcg	2520
ggtcagggtct	ggacgacgag	ccgttcgtac	ctgcccacgt	gcccgttaca	ccggacattg	2580
gagttgtctc	tgacacattc	tggcgctgc	caaatgtaaa	gcccggcgc	catccatttg	2640
ccttgcggc	agcggggcca	caggcagagc	agatcatctc	tgtatccattg	cccctgcccac	2700
ctcaactcgcc	tgcaagcccg	gtggcccg	tccatgaact	cgatggcag	gtacttctcc	2760

Replacement Sheet

FIG. 6B

tcggcgtggg	acacgatgcc	aacacgacgc	tgcatttc	cggatgtat	gcaaaggttc	2820
cctatgggg	gccgagacac	tgcaccattc	ttcaggatgg	caagttggta	cgcgtcgatt	2880
atctcgagaa	tgaccactgc	tgtgagcgct	ttgccttggc	ggacaggtgg	ctcaaggaga	2940
agagccttca	gaaggaaggt	ccagtcggtc	atgcctttgc	tcggttgc	cgctcccgcg	3000
acatttgtgc	gacagccctg	ggtcaactgg	gccgagatcc	gttgcatttc	ctgcatccgc	3060
cagagggcgg	gatgcgaaga	atgcgatgcc	gctcgccagt	cgttggctg	agctcatgag	3120
cggagaacga	gatgacgtt	gagggcaag	gtcgcgctga	ttgtctgggc	aacacgtgga	3180
gccccatcggt	gattgtctt	cttcagctcg	ctgatgat	gctgacgctc	aatgcgttt	3240
ggcctccgac	taacaaaaat	cccgcatgg	gacggctgtat	ccgattggca	cggcgacgg	3300
cgaatggcg	agcagacgct	cgtccgggg	caatgagata	taaaaaaagcc	tgaactcacc	3360
gcgacgtctg	tcgagaagtt	tctgatcgaa	aagttcgaca	gcgtctccga	cctgatgcag	3420
ctctcgagg	gcgaagaatc	tcgtgtttc	agcttcgatg	taggagggcg	tggatatgtc	3480
ctgcgggtaa	atagctgcgc	cgatggttc	tacaaagatc	gttatgttta	tcggcacttt	3540
gcatcgccg	cgctcccgat	tccggaagtg	cttgacattg	ggaaatttcg	acgtcatatg	3600
gatccgatga	tctgtactt	caccctggaa	caggcgctgc	tgacgggcaaa	gtacgcgccc	3660
ggcgccccgc	ccccggccgg	gtccccggcc	acggcaccca	aagggtggccg	ggccccgttg	3720
atgcggcgct	ggctggacga	cgacaaggtc	ctcgccgcg	tcgagcggt	gcgtccgctc	3780
gccgaggagg	ccgggctgac	cacggcgcac	ctcgctgtgg	tgctccagaa	tcccggcg	3840
agcggggccg	tcatcggtc	gttcaacgccc	gaacaggtcc	tggccaacgc	cgagtcggcc	3900
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gtgcacgacg	aggagtagcc	cccgggggg	gccgggtggag	gcggatgcga	cgccgttcgt	4020
tccgggggct	gccgtccgtt	ccgggttcggc	gacggaggcg	gatgcattccg	cgcccggtccg	4080
gcccacggcc	cggcccgccc	ggcatggccgg	gcccgggggt	cgggcaccga	ggtgcaagcg	4140
ccccgaccgt	acgcccggcc	gagccgaccc	gtggcctctc	ccgtccctcc	tgaccgaccc	4200
tccccctcccc	tgcgtcttgc	cgacagggtt	gcccctactt	ccgacgctcc	cgagagggtc	4260
caactacggat	gcccattctg	ttcaccacgt	tcccctggca	ctcccatcac	ttcccgatgg	4320
tcccactgga	gcggcgccgc	tggccggccgg	gcatgaggtg	cgggtcgcg	gcgcgccccgc	4380
gctgatgccc	gtcgtgaccg	cgtccggcct	gcccgggata	ccggtcggcc	aggacgtgga	4440
ccttgcctcc	ctgtccaa	accgcagccg	ggccgcctgg	cacgttcagg	accgctggcc	4500
cgacgactgg	cccgtccg	cggaaactcct	cgacgacgag	cagttcg	tgatcgagaa	4560
cctgggacgg	atgcagacgg	tcatggc	ggccatgctc	gacgaccgc	tgagcttcgc	4620
ccggtaactgg	cggcccgacc	tggtggc	cgacgcccgtc	agcctcgccg	gcccgggtgt	4680
cggccggccg	ctggcggtc	ccaacgtcag	ccacctgtgg	ggcactccgg	gactccagcg	4740
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ggcgaaaacg	acggtgccgg	ccgagcccag	tgcctggatc	gaccccagt	ccccggcat	4860
ccggtaacctg	gccggaccg	cctgcccgtca	gatgcgggtac	gtgcccata	acggccccgg	4920
cctgctggcc	gactggctgc	gcccggaaacc	gtcgggcacg	cgggtctgcg	tcacgtgggg	4980
cggccacctcc	atggccctgc	gccccggcac	cgtcgatcgaa	ctcgatcgcc	agtgcgtgga	5040
acccggccgc	gaggtggccg	acgagggtcg	cgtcgccgtg	accgaacaga	ccgcgcgggc	5100
gctggaggac	acgcccgtgc	cggaccacgc	acgcgtcg	gtcggattgc	cgctgcac	5160
gctgggtccg	tcctgcgacc	tcgtggtcca	ccacgggtgc	gccggcacca	gcatgaccgc	5220
cggggtcgcg	ggcgtacgac	agctgtgtat	caccacccgg	cccgagccca	cggtaaacgg	5280
cacccggctg	gccgcgtcg	gcccggcccg	gcacctgtat	accacggagg	tcccggccgc	5340
ccgggaggga	gtgcgtcg	tgcgcgcccga	gatggaccgt	ctcctatcg	accccgacca	5400
cggcgccgc	gcccggcgcc	tggccgacgg	catccgcacc	cagccccgt	cggccgacgt	5460

Replacement Sheet

FIG. 6C

ggtggcggag	ctgacgcac	tgcgtccggta	ggtcgatccc	gcccggaagg	gatgaatctc	5520
gcccggcggg	gacgactccc	gccccgacagg	aggagcaaga	accatgcgcg	ttctggtgac	5580
cacgtccccg	tggcccaccc	attacttcgt	cgtccagccg	ctggccgccc	cgttccgcgc	5640
ggcgggcccc	gaagtccctcg	tggcggccca	gccgtccatg	gcggacctgg	tcacccggtc	5700
cggcctgccc	atggccgccc	tcggcagcga	catcgacatg	gtggacatcc	gccgcaagac	5760
gctctccag	gaactggacg	cccgtcagaa	gcccggggaa	cccggccggg	ccgacgacgg	5820
cggtcaggtc	ttcgacacacct	ggcagcaggc	caccctcgcc	aacctcgacc	cggtcatgga	5880
cctcgccccg	acctggaaac	cggaccttgtt	gctcgccgac	accatgtgcc	cggcgggcct	5940
cgtcgccgca	caggaactcg	gcgtgccggg	gatcc			5975